

TABLE 10

**Federal budget authority for Energy (270) R&D and R&D plant: FYs 2020–22**

(Millions of dollars and percent change)

Budget function and agency	2020 actual	2021 preliminary	2022 proposed	2020–21 (% change)	2021–22 (% change)
R&D and R&D plant	4,539	4,537	6,533	-0.0	44.0
Energy supply (271)	4,470	4,471	6,458	0.0	44.4
Department of Energy	4,462	4,460	6,447	-0.0	44.5
Energy programs	4,070	4,066	5,416	-0.1	33.2
Energy efficiency and renewable energy	2,009	2,043	2,980	1.7	45.8
Fossil energy	709	721	868	1.6	20.5
Nuclear energy	1,161	1,068	1,261	-8.0	18.1
Electricity delivery	155	171	236	10.5	38.0
Cybersecurity, Energy Security, and Emergency Response	36	63	70	76.1	11.5
Advanced Research Projects Agency-Energy (ARPA-E)	390	392	463	0.5	18.1
Advanced Research Projects Agency-Climate (ARPA-C)	na	na	180	-	-
Clean Energy Demonstration	na	na	387	-	-
Bonneville Power Administration Fund	2	2	2	0.0	0.0
Tennessee Valley Authority	8	11	11	37.5	0.0
Energy information, policy, and regulation (276)	69	66	75	-4.3	13.6
Nuclear Regulatory Commission	69	66	75	-4.3	13.6
R&D	4,391	4,433	6,257	0.9	41.1
Energy supply (271)	4,322	4,367	6,182	1.0	41.6
Department of Energy	4,314	4,356	6,171	1.0	41.7
Energy programs	3,922	3,962	5,139	1.0	29.7
Energy efficiency and renewable energy	1,957	2,004	2,898	2.4	44.6
Fossil energy	680	692	822	1.6	18.9
Nuclear energy	1,096	1,057	1,163	-3.5	10.0
Electricity delivery	154	146	186	-5.0	27.5
Cybersecurity, Energy Security, and Emergency Response	36	63	70	76.1	11.5
Advanced Research Projects Agency-Energy (ARPA-E)	390	392	463	0.5	18.1
Advanced Research Projects Agency-Climate (ARPA-C)	na	na	180	-	-
Clean Energy Demonstration	na	na	387	-	-
Bonneville Power Administration Fund	2	2	2	0.0	0.0
Tennessee Valley Authority	8	11	11	37.5	0.0
Energy information, policy, and regulation (271)	69	66	75	-4.3	13.6
Nuclear Regulatory Commission (276)	69	66	75	-4.3	13.6

na = not applicable.

**Note(s):**

Detail may not add to total because of rounding. Percent change is calculated on unrounded data.

**Source(s):**

Agencies' submissions to the Office of Management and Budget per MAX Schedule C, agencies' budget justification documents, and supplemental data obtained from agencies' budget offices.